

Title (en)

A belt tracking mechanism e.g. for a belt sander.

Title (de)

Gerät zum Steuern eines Riemens, z.B., eines Sandschleifapparats.

Title (fr)

Dispositif de guidage d'une bande, notamment pour une sableuse à bande.

Publication

EP 0007172 A1 19800123 (EN)

Application

EP 79301050 A 19790604

Priority

US 92404978 A 19780712

Abstract (en)

A belt centering device automatically operable in a belt sander (10) of the type including spaced apart rolls 24,26). The centering device is needed to keep the belt (28) from wandering off a roll. The sander (10) includes adjustable mounting means (32,34) for supporting at least one roll (26). An endless belt (28) is positioned around the rolls (24,26) and drive means are provided for the rolls (24,26) and belt (28). Alignment means including a belt edge engaging means (72) are operatively connected to the roll mounting means (32,34), and a resilient force is applied by spring (50) to hold the engaging means (72) against a belt edge (74) as the belt (28) is moved by the drive means. This causes the engaging means (72) to follow variations in the belt edge position, and this movement is transmitted to the mounting means (32,34) whereby the variations are compensated.

IPC 1-7

B24B 21/18; **B24B 23/06**

IPC 8 full level

B24B 21/18 (2006.01); **B24B 23/06** (2006.01)

CPC (source: EP US)

B24B 21/18 (2013.01 - EP US); **B24B 23/06** (2013.01 - EP US)

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